AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous listing of claims.

1.   (Currently Amended) A system for providing wireless monitoring and control of remote

devices, said system comprising:

a plurality of first transceivers each having a first wireless communications device and

each said first transceiver being coupled to a <u>user station comprising a</u> keyboard, a video monitor

and a cursor control device for receiving signals from said keyboard and said cursor control

device; and

a plurality of second transceivers each having a second wireless communications device

and each said second transceiver being coupled to at least one of said remote devices for

receiving video data from said remote devices and for transmitting said video data to <u>a respective</u>

~~said~~ first <u>transceiver</u> ~~transceivers~~ over a wireless network,

wherein <u>each of</u> said first and second wireless communication <u>devices is configured to</u>

~~device of said transceivers~~ condition keyboard-video-mouse signals, ~~where appropriate,~~ to

operate in a peer-to-peer network, [[to]] thereby <u>enabling ones of said user stations to monitor</u>

~~enable monitoring~~ and control [[of]] <u>ones of said</u> said remote devices <u>directly</u> without <u>using</u> ~~use~~

~~of~~ a <u>central</u> switch to control connection between any one of said first transceivers and said

second transceivers<u>; and</u>

<u>wherein each of said second transceivers is configured to receive a connection request</u>

<u>message over a broadcast channel from one of said first transceivers coupled to a first one of the</u>

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user stations, and to transmit a denial message when the at least one remote device coupled to

said second transceiver is under the control of another one of the user stations.

2.   (Original) A system according to claim 1, wherein said wireless network is an 802.11

wireless network.

3.   (Original) A system according to claim 2, wherein said wireless network is an ad-hoc

wireless network.

4.   (Original) A system according to claim 2, wherein said wireless network is an

infrastructure wireless network.

5.   (Original) A system according to claim 1, wherein said wireless network is a Bluetooth

network.

6.   (Withdrawn) A system according to claim 1, wherein said wireless network includes a

wireless enabled computer interface module.

7.   (Original) A system according to claim 1, wherein each said first transceiver includes

circuitry for displaying a list of said remote devices on said video monitor.

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8.   (Currently Amended) A system according to claim 7, wherein ~~each~~ said <u>one</u> first

transceiver <u>is configured to transmit said</u> ~~transmits a~~ connection request message to one of said

plurality of second transceivers in response to a user's selection <u>of a remote device coupled to</u>

<u>said one second transceiver</u> from said <u>displayed</u> list.

9.   (Original) A system according to claim 8, wherein said connection request message

includes a select channel for wireless communications between said first and second wireless

communications devices over said wireless network.

10.   (Currently Amended) A system according to claim 7, wherein said <u>displayed</u> list is

generated by an on-screen display processor.

11.   (Currently Amended) A system according to claim 7, wherein said <u>displayed</u> list is

generated by software implemented on a general purpose processor.

12.   (Currently Amended) A system according to claim 7, wherein said <u>displayed</u> list includes

information related to said remote devices.

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13.   (Currently Amended) A system according to claim 12, wherein said <u>displayed</u> list is automatically updated <u>when</u> ~~with~~ <u>one or more</u> additional remote devices <u>join the peer-to-peer network</u> ~~without changing operational modes~~.

14.   (Currently Amended) A system according to claim 13, wherein <u>each of said second transceivers is configure to compress</u> said video data ~~is compressed~~ before <u>transmitting said video data to said respective first transceiver</u> ~~being transmitted by said second wireless communications device of said second transceivers~~.

15.   (Currently Amended) A system according to claim 14, wherein <u>each of said first and second transceivers is configured to encrypt said</u> video data, keyboard data, and cursor control device data <u>for transmission</u> ~~is encrypted before being transmitted by said first and said second wireless communications devices over said wireless network~~.

16.   (Withdrawn) A method of transmitting keyboard signals, cursor control device signals and compressed video signals between a workstation connected to a video monitor a keyboard and a cursor control device and a select computer over a wireless network comprising the steps of:

        displaying a menu of available computers on said video monitor of said workstation;

        receiving a user request to operate a select computer from said available remote computers;

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transmitting a connection request message from said workstation to said select computer over said wireless network in response to said user request;

transmitting video signals from said select computer to said workstation for display on said video monitor over said wireless network; and

transmitting keyboard and cursor control device signals from said keyboard and cursor control device of said workstation to said select remote device over said wireless network

wherein interface devices are included at said workstation and select computer for conditioning keyboard-video-mouse signals, where appropriate, to operate in a peer-to-peer wireless network to thereby enable monitoring and control of said select computer without use of a switch to control connection between said workstation and any said select computer in a plurality of select computers.

17.   (Withdrawn) A method according to claim 16, said method further comprising the step of: updating said menu of available remote devices with additional remote devices without entering another mode of operation.

18.   (Withdrawn) A method according to claim 16, said method further comprising the step of: updating said menu of available remote devices automatically as said remote devices enter or leave said wireless network.

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19.   (Withdrawn) A method according to claim 16, wherein said wireless network is an 802.11 wireless network.

20.   (Withdrawn) A method according to claim 19, wherein said wireless network is a peer-to-peer wireless network.

21.   (Withdrawn) A method according to claim 19, wherein said wireless network is an infrastructure mode wireless network.

22.   (Withdrawn) A method according to claim 19, wherein said wireless network is a Bluetooth wireless network.

23.   (Withdrawn) A wireless remote network management system for remotely monitoring and controlling devices comprising:

       a plurality of first wireless-enabled transceivers each coupled to a keyboard, a video monitor and a cursor control device;

       a plurality of second wireless-enabled transceivers each coupled to a remote device; and

       a central switch enabled for wireless communication and wired communication; wherein each said first wireless-enabled transceiver communicates keyboard and cursor control device

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signals from said keyboard and said cursor control device to said central switch via a first

wireless network,

wherein said central switch routes said signals via a second wireless network to one of

said second wireless-enabled transceivers,

wherein each said second wireless-enabled transceiver communicates video data via said

second wireless network from said remote device to said central switch, and

wherein said central switch communicates said video data to one of said plurality of first

wireless-enabled transceivers via said first wireless network

wherein said first and second wireless-enabled transceivers condition keyboard-video-

mouse signals where appropriate to enable wireless transmission thereof,

wherein each said first transceiver includes circuitry for displaying a menu of said remote

devices on said video monitor, wherein said menu includes information related to said remote

devices and said menu is automatically updated with additional remote devices without a

monitoring workstation entering a different operational mode.

24.   (Withdrawn) A system according to claim 23, wherein said first wireless network and

said second wireless networks are 802.11 wireless networks.

25.   (Cancelled).

26.   (Withdrawn) A system according to claim 23, wherein each said first transceiver

transmits a connection request message to the central switch and the central switch transmits the

connection request message to one of said plurality of second transceivers in response to a

selection from said menu.

27.   (Withdrawn) A system according to claim 23, wherein said menu is generated by an on-

screen display processor.

28.   (Withdrawn) A system according to claim 23, wherein said menu is generated by

software implemented on a general purpose processor.

29-30. (Cancelled).

31.   (Withdrawn) A system according to claim 23, wherein said video data is compressed

before being transmitted by said second transceiver.

32.   (Withdrawn) A method according to claim 16, wherein said video signals are compressed

prior to transmission over said wireless network.